

Author Index of Volumes B15 and B16

- Abad, A., 429
 Ache, H.J., 192, 199
 Alegret, S., 214, 448, 453
 Alonso, J., 179, 214
 Arbab, A., 19
 Arés, L., 98, 354
 Arias de Velasco, A.A., 55
 Aroca, R., 306
 Attari, M., 173
 Azeredo Leme, C., 75

 Baier, G., 147, 249
 Baltes, H., 75
 Bannister, J.V., 203
 Barbi, G.B., 372
 Baró-Romà, J., 179
 Barrow, D., 68
 Bartoli, J., 179, 214, 448, 453
 Bataillard, P., 127
 Bell, N.A., 90
 Benammar, M., 162
 Ben Rashed, A.B., 151
 Benussi, G.P., 334
 Bilitewski, U., 113
 Boltshauser, T., 75
 Bommer, J.G., 195
 Botré, C., 135
 Botré, F., 135
 Brooks, J.S., 90
 Brunink, J.A.J., 195
 Bruns, M., 192
 Bull, D.R., 151
 Bychkov, E.A., 184

 Caliendo, C., 288
 Camanzi, A., 86
 Cammann, K., 188
 Cané, C., 218
 Cantalini, C., 293
 Carotta, M.C., 363
 Cawley, J., 90
 Cefai, J., 68
 Ceres, R., 275
 Charles, M.-H., 458
 Chiorino, A., 367
 Coles, G.S.V., 38, 349
 Colin, B., 458
 Combes, L., 24
 Corcoran, P., 32, 256
 Curtis, G., 68
 Czolk, R., 199

 D'Amico, A., 288
 Danielsson, B., 141, 443
 de Agapito, J.A., 98, 105, 354, 384
 de Agapito, L., 105
 Delabouglise, G., 357, 379

 Delair, T., 458
 del Valle, M., 179
 Demarne, V., 63
 de Pedro, T., 105
 Depero, L.E., 334
 de Rooij, N.F., 211, 223
 de Saja, J.A., 306
 Dutronc, P., 24, 384

 Engbersen, F.J., 195
 Erkizia, E., 301
 Esteve, J., 218

 Fabry, P., 173
 Faccio, M., 293
 Ferrero, J.M., 429
 Ferri, G., 293
 Fleischer, M., 45
 Furlani, A., 288

 Gabler, H., 396
 Gall, M., 260
 Garcia Arroyo, A., 1
 Garcia Rosa, R., 105
 Gardner, J.W., 32, 344
 Gautheron, B., 357, 379
 Geckeler, K.E., 312
 Gerasimov, M.V., 338
 Gerblinger, J., 45, 396
 Getino, J.M., 98, 354
 Ghiotti, G., 367
 Gobernado-Mitre, M.I., 306
 González-Calbet, J.M., 379
 Göpel, W., 312, 344, 401
 Grácia, I., 218
 Grisel, A., 63
 Grohmann, I., 223, 252
 Gropelli, S., 86
 Gross, T., 252
 Guth, U., 401
 Gutiérrez, F.J., 98, 354, 384
 Gutman, E.E., 338

 Harris, G.J., 151
 Haug, M., 312
 Hawa, G., 423
 Hedberg, U., 141
 Hedborg, E., 270
 Hines, E.L., 344
 Hoffmann, B., 192
 Hoffmann, W., 192
 Honoré, M., 281
 Horrillo, M.C., 98, 354, 384
 Hughes, H., 68
 Huusko, J., 245
 Huyberegts, G., 281

 Iucci, G., 288

 Jaffrezic-Renault, N., 127, 458
 Jäger, A., 113
 James, M.K., 256
 Jeanneret, S., 211
 Jiménez, C., 453
 Joos, M., 413

 Kazachkov, E.A., 338
 Keck, F.S., 435
 Kerner, W., 435
 Kharton, V., 401
 Koch, S., 68
 Krankenhagen, R., 252
 Kraus, S.C., 199
 Krause, S., 252
 Kühner, G., 390

 Labeau, M., 357, 379
 Lacher, M., 390
 Lantto, V., 245, 323
 Legin, A.V., 184
 Lévy, F., 406
 Ligtenberg, H.C.G., 223
 Lin, J., 319
 Lindner, G., 413
 Lippitz, A., 252
 Lisdat, F., 223, 228
 Loesch, M., 24, 384
 Lorenti, G., 135
 Löw, H., 390
 Lozano, M., 218
 Lucat, C., 24, 384
 Lundström, I., 19, 270

 Mallié, H., 173
 Manabe, T., 166
 Manclús, J.J., 429
 Mandrand, B., 458
 Mann-Buxbaum, E., 423
 March, C., 429
 Martelet, C., 458
 Martinelli, G., 363
 Martinez, J., 379
 Martinez-Fábregas, E., 448, 453
 Martorell, D., 448, 453
 Maskell, W.C., 162
 Mazzei, F., 135
 Mecea, V.M., 265
 Mecklenburg, M., 141
 Meixner, H., 45, 396
 Ménil, F., 24, 384
 Mizsei, J., 328
 Mocholi, A., 429
 Mock, R., 396
 Montoya, A., 429
 Moore, S.W., 344
 Moritz, W., 223, 228, 233, 252

 Moseley, P.T., 55
 Mousa-Bahia, A.A., 38
 Müller, E., 68
 Müller, H., 413

 Nelli, P., 86, 334
 Nolte, R.J.M., 301
 Nyamsi Hendji, A., 127

 Obermeier, E., 319
 O'Rourke, J.K., 90

 Peat, R., 55
 Peláez, J.G., 55
 Pelino, M., 293
 Peña, J., 379
 Perego, C., 86
 Pirttiäho, L., 323
 Pittner, F., 423
 Porcelli, F., 135

 Quezel, G., 173

 Ragel, V., 379
 Ramsden, J.J., 439
 Rantala, T.S., 323
 Reichert, J., 199
 Reinhoudt, D.N., 195
 Reiter, H., 390
 Rigby, G.P., 301
 Robins, I., 238
 Robla, J.I., 98, 354
 Rodriguez, M.L., 306
 Roggen, J., 281
 Roisin, P., 301
 Román, J., 379
 Rosenfeld, D., 406
 Rossetto, G., 334
 Rüger, P., 113
 Russo, M.V., 288
 Ryabtsev, S.V., 338

 Saby, C., 458
 Sadaoka, Y., 166
 Sakai, Y., 166
 Sánchez, J., 179
 Sander, J., 188
 Sanjinés, R., 406
 Santos Blanco, J., 372
 Sayago, I., 98, 354, 384
 Sberveglieri, G., 86, 334
 Schalkhammer, T., 423
 Schmatz, U., 357
 Schmid, R.D., 119
 Schneider, M., 105
 Schöning, M.J., 192
 Schreiner, W.H., 406

- Schüle, V., 147, 249
Schweizer, W., 390
Scibona, G., 135
Sellam, F., 233
Shaw, J., 81
Shuk, P., 401
Shurmer, H.V., 32, 256
Somasundrum, M., 203
Souto, J., 306
Spetz, A., 19
Steiner, K., 390
Sulz, G., 390
Sundgren, H., 270
Szeponik, J., 233
- Thorpe, S.C., 90, 301
Tichonova, L., 401
Torvela, H., 245
Tran-Minh, C., 448
- Unger, W., 252
Uptmoor, G., 390
- Valdés-Perezgasga, F., 214, 453
Valdré, G., 86
Vallet-Regi, M., 379
van den Berg, A., 211
- van den Vlekkert, H.H., 223
van der Schoot, B.H., 211, 223
Varela, A., 379
Vecher, A., 401
Verboom, W., 195
Verona, E., 288
Vlasov, Yu. G., 6, 184
Vogel, A., 147, 249
- Weimar, U., 344
Weise, W., 113
Wei Xiong Pan, 367
- Wiemhöfer, H.D., 401
Willett, M.J., 38
Williams, G., 349
Winqvist, F., 270, 443
Wittmann, C., 119
Wojas, P., 68
Wright, J.D., 301
- Xie, B., 141, 443
- Zanella, P., 334
Zhou, R., 312
Zocchi, M., 334
Zuther, F., 188

Subject Index of Volumes 15B and 16B

- Absolute capacitance measurement system
high sensitivity CMOS humidity sensors with on-chip, 75
- Activating technology
of SnO₂ layers by metal particles from ultrathin metal films, 328
- Additives
influence of, on sensing properties of screen-printed SnO₂ gas sensors, 363
- Agricultural products
valuation sensors of, 275
- Amperometric determination
of Cu using screen-printed electrodes, 203
- Anionic sites
effects of, on selectivity of Na-sensitive CHEMFETs, 195
- Anionic surfactants
construction and development of ion-selective electrodes responsive to, 179
- Antibodies
immobilization of, onto capacitance Si-based transducer, 458
- Antimony
Ni, In and Sb implanted Pt and V catalysed thin-film SnO₂ gas sensors, 390
- Atmosphere-dependent potentials
at oxide interfaces, 55
- Binary base mixtures
ultrasonic sensor for analysis of, 413
- Biogenic diamines
and their amino acid precursors, plant tissue biosensors for determination of; effect of carbonic anhydrase, 135
- Biosensor(s)
fast determination of whole blood glucose with calorimetric micro-, 141
ISFET-based urea, 453
miniaturized thermal, 443
plant tissue, for determination of biogenic diamines and of their amino acid precursors; effect of carbonic anhydrase, 135
urea potentiometric, based on all-solid-state technology, 448
- Blood glucose
fast determination of whole, with calorimetric micro-biosensor, 141
- Carbohydrates
enzyme electrodes for determination of, in food, 113
- Carbon dioxide
bilayer membrane for ISFETs to eliminate CO₂ mediated pH sensitivity, 81
detection of CO₂ using solid-state electrochemical sensor based on Na ionic conductors, 166
- Carbonic anhydrase
effect of; plant tissue biosensors for determination of biogenic diamines and of their amino acid precursors, 135
- CHEMFETs
effects of anionic sites on selectivity of Na-sensitive, 195
- Chemical analysis system
modular setup for miniaturized, 211
- Chemical semiconductor sensors
investigation of sensor characteristics of, with impedance spectroscopy, 233
- Chemical sensors
ground water control system based on, 188
new type of hybrid, 214
on-line determination of degradation of ISFET, 218
thin-layer, based on chemically deposited and modified chalcogenide glasses, 184
- Chalcogenide glasses
thin-layer chemical sensors based on chemically deposited and modified, 184
- Chromium
surface chemistry and electronic effects of H₂(D₂) on pure SnO₂ and Cr-doped SnO₂, 367
- CMOS
high sensitivity, humidity sensors with on-chip absolute capacitance measurement system, 75
- Cobalt
electrodes for oxygen sensors based on rare earth manganites or cobaltites, 401
- Combustible gases
Si-Planar-Pellistor array, detection unit for, 260
- Conductance behaviour
in SnO₂ thick-film gas sensors, simulation studies of non-ohmic, 323
- Conductivity responses
potentially selective methane sensor based on differential, of Pd- and Pt-doped Sn oxide thick layers, 384
- Copper
amperometric determination of, using screen-printed electrodes, 203
- Covalent immobilization
of glucose oxidase on silanized Pt microelectrode for monitoring of glucose, 127
- CVD technique
enhanced response to methane for SnO₂ thin films prepared with, 334
- Degradation
of ISFET chemical sensors, on-line determination of, 218
- Deposition technique
new SnO₂ low temperature, for integrated gas sensors, 63
- Doped materials
NO_x Sn dioxide sensors activities, as function of, and temperature, 354
- Double-jet cell
new, for fast ion-sensitive electrodes, 173
- Drift effects
in transition metal gate MOS and MISFETs, 238
- Electrical properties
effects of metal salts on, of crown-ether-substituted phthalocyanines and related compounds, 301
- Electrochemical assays
based on enzyme-electrode systems to determine glycerol and propylene glycol in tobacco casing, 429

- Electrochemical sensor
 - detection of CO₂ using solid-state, based on Na ionic conductors, 166
- Electrode materials
 - non-Nernstian potentiometric zirconia sensors; screening potential working, 147
- Electronic effects
 - surface chemistry and, of H₂(D₂) on pure SnO₂ and Cr-doped SnO₂, 367
- Electronic nose
 - sensitivity enhancement for gas sensing and, applications, 256
- Environmental pollution
 - sensors for monitoring, 45
- Enzyme electrode(s)
 - for determination of carbohydrates in food, 113
 - systems, electrochemical assays based on, to determine glycerol and propylene glycol in tobacco casing, 429
- Environmental water samples
 - application of automated quasi-continuous immuno flow injection system to analysis of pesticide residues in, 119
- Flow injection analysis
 - using pH/pF ISFET combinations for determination of very low fluoride concentrations, 223
 - ISFET-FIA system for high precision pH recording, 68
- Fluoride
 - flow injection analysis using pH/pF ISFET combinations for determination of very low fluoride concentrations, 223
- Fuel cell sensor array
 - processing for gas discrimination, connectionist approach to, 151
- Fuzzy logic
 - applied to gas sensors, 105
- Gas detection
 - NO_x, with Langmuir-Blodgett monolayers of tetra-tert-butyl phthalocyanine complexes, 301
- Gas discrimination
 - connectionist approach to fuel cell sensor array processing for, 151
- Gas mixture analysis
 - modified multilayer perceptron model for, 344
- Gas mixtures
 - ultrasonic sensor for analysis of binary, 413
- Gas sensing
 - and electronic nose applications, sensitivity enhancement for, 256
 - integrated tin oxide sensors of low power consumption for use in, and odour, 32
- Gas-sensing properties
 - effects of metal salts on, of crown-ether-substituted phthalocyanines and related compounds, 301
- Gas sensing surfaces
 - evaluation of, with scanned light pulse technique, 270
- Gas sensitive films
 - SnO₂ thin polycrystalline, doped by ion implantation, 406
- Gas sensitivity properties
 - of pure and doped SnO₂, 379
- Gas sensor(s)
 - capacitive thin film, with signal processing system for determination of SO₂, 319
 - characterisation of semiconductor; critical comparison of in-house, pre-production and commercial devices, 38
 - determining effect of ultralow metal addition on response of semiconductor, 338
 - for high temperature operation based on metal oxide silicon carbide (MOSiC) devices, 19
 - fuzzy logic applied to, 105
 - influence of additives on sensing properties of screen-printed SnO₂, 363
 - Mössbauer and microstructural studies of Fe phthalocyanine as potential, 90
 - new SnO₂ low temperature deposition technique for integrated, 63
 - Ni, In and Sb implanted Pt and V catalysed thin-film SnO₂, 390
 - NO_x response of Sn dioxide based, 349
 - simulation studies of non-ohmic conductance behaviour in SnO₂ thick-film, 323
 - TiO₂ thick-film, and their suitability for NO_x monitoring, 245
 - tunable, 265
 - undoped and Pd-doped SnO₂ thin films for, 357
- Glucose
 - covalent immobilization of glucose oxidase on silanized Pt microelectrode for monitoring of, 127
 - fast determination of whole blood, with calorimetric microbiosensor, 141
 - registration of dissolved, *in vitro* and *in vivo* by combined microdialysis/amperometric method, 435
- Glucose oxidase
 - covalent immobilization of, on silanized Pt microelectrode for monitoring of glucose, 127
- Glucose sensor
 - ligand interaction based electrochemical, 423
- Glycerol
 - electrochemical assays based on enzyme-electrode systems to determine, and propylene glycol in tobacco casing, 429
- Ground water control system
 - based on chemical sensors, 188
- Hall coefficient measurements
 - for SnO₂ doped sensors, as function of temperature and atmosphere, 98
- Humidity sensor(s)
 - characterisation of Sr containing Sn dioxide based thick film, 281
 - high sensitivity CMOS, with on-chip absolute capacitance measurement system, 75
 - microstructure and electrical properties of Si-doped α -Fe₂O₃ humidity sensor, 293
 - surface acoustic wave, 288
- Hydrogen
 - surface chemistry and electronic effects of H₂(D₂) on pure SnO₂ and Cr-doped SnO₂, 367
- Hydrogen sulfide
 - detection of sub-ppm H₂S concentrations by means of SnO₂(Pt) thin films, grown by RGTO technique, 86
- Immuno flow injection system
 - application of automated quasi-continuous, to analysis of pesticide residues in environmental water samples, 119
- Impedance spectroscopy
 - investigation of sensor characteristics of chemical semiconductor sensors with, 233
- Indium
 - Ni, In and Sb implanted Pt and V catalysed thin-film SnO₂ gas sensors, 390

- Iodide
 - ISFETs, 192
- Ion implantation
 - gas sensitive and selective SnO₂ thin polycrystalline films doped by, 406
- Ion-selective electrodes
 - construction and development of, responsive to anionic surfactants, 179
- Ion-sensitive electrodes
 - new double-jet cell for fast, 173
- Iron oxide
 - microstructure and electrical properties of Si-doped α -Fe₂O₃ humidity sensor, 293
- Iron phthalocyanine
 - Mössbauer and microstructural studies of, as potential gas sensor, 90
- ISFET(s)
 - based urea biosensor, 453
 - bilayer membrane for, to eliminate CO₂ mediated pH sensitivity, 81
 - chemical sensors, on-line determination of, 218
 - FIA using pH/pF ISFET combinations for determination of very low fluoride concentrations, 223
 - FIA system for high precision pH recording, 68
 - iodide, 192
- Langmuir-Blodgett lipid films
 - sensitivity enhancement of integrated optic sensors using, 439
- Langmuir-Blodgett monolayers
 - NO_x gas detection with, of tetra-tert-butyl phthalocyanine complexes, 306
- Lanthanum
 - influence of LaF₃/metal interface on properties of low temperature oxygen sensor, 252
- Ligand interaction
 - based electrochemical glucose sensor, 423
- Manganese
 - electrodes for oxygen sensors based on rare earth manganites or cobaltites, 401
- Metal addition
 - determining effect of ultralow, on response of semiconductor gas sensors, 338
- Metal oxide silicon carbide
 - gas sensors for high temperature operation based on MOSiC devices, 19
- Metal salts
 - effects of, on structural, electrical and gas-sensing properties of crown-ether-substituted phthalocyanines and related compounds, 301
- Methane
 - enhanced response to, for SnO₂ thin films prepared with CVD technique, 334
 - potentially selective, sensor based on differential conductivity responses of Pd- and Pt-doped Sn oxide thick layers, 384
- Methane sensing
 - new approach to selectivity in, 24
- Microdialysis/amperometric method
 - registration of dissolved glucose *in vitro* and *in vivo* by combined, 435
- Microstructural studies
 - of Fe phthalocyanine as potential gas sensor, 90
- Microstructure
 - and electrical properties of Si-doped α -Fe₂O₃ humidity sensor, 293
- MISFETs
 - drift effects in transition metal gate MOS and, 238
- Modular setup
 - for miniaturized chemical analysis system, 211
- MOSFETs
 - drift effects in transition metal gate MOS and MISFETs, 238
- Mössbauer studies
 - of Fe phthalocyanine as potential gas sensor, 90
- Nickel
 - Ni, In and Sb implanted Pt and V catalysed thin-film SnO₂ gas sensors, 390
- N-macrocyclic compounds
 - NO_x sensitivity of monomeric and polymeric, 312
- Nitrogen oxides
 - NO_x gas detection with Langmuir-Blodgett monolayers of tetra-tert-butyl phthalocyanine compounds, 306
 - NO_x response of Sn dioxide based gas sensors, 349
 - NO_x sensitivity of monomeric and polymeric N-macrocyclic compounds, 312
 - NO_x Sn dioxide sensors activities, as function of doped materials and temperature, 354
 - structure of Sn oxide layers and operating temperature as factors determining the sensitivity performances to NO_x, 372
 - TiO₂ thick-film gas sensors and their suitability for NO_x monitoring, 245
- Odour sensing
 - integrated Sn oxide sensors of low power consumption for use in gas and, 32
- Optic sensors
 - sensitivity enhancement of integrated, using Langmuir-Blodgett lipid films, 439
- Optochemical sensors
 - optimization of sol-gel process for development of, 199
- Oxide interfaces
 - atmosphere-dependent potentials at, 55
- Oxygen partial pressure
 - measurement of, using fully-sealed zirconia pump-gauge devices operated in tracking mode, 162
- Oxygen sensor(s)
 - effect of inhomogeneous substrate-temperature distribution on signal response of, 396
 - electrodes for, based on rare earth manganites or cobaltites, 401
 - influence of LaF₃/metal interface on properties of low temperature, 252
- Palladium
 - potentially selective methane sensor based on differential conductivity responses of Pd- and Pt-doped Sn oxide thick layers, 384
 - undoped and Pd-doped SnO₂ thin films for gas sensors, 357
- Perceptron model
 - modified multilayer, for gas mixture analysis, 344
- Pesticide residues
 - application of automated quasi-continuous immuno flow injection system to analysis of, in environmental water samples, 119

- pH recording
ISFET-FIA system for high precision, 68
- pH sensitivity
bilayer membrane for ISFETs to eliminate CO₂ mediated, 81
- Phthalocyanine(s)
effects of metal salts on structural, electrical and gas-sensing properties of crown-ether-substituted, and related compounds, 301
NO_x gas detection with Langmuir-Blodgett monolayers of tetra-tert-butyl, complexes, 306
- Plant tissue biosensors
for determination of biogenic diamines and of their amino acid precursors; effect of carbonic anhydrase, 135
- Platinum
covalent immobilization of glucose oxidase on silanized Pt microelectrode for monitoring of glucose, 127
detection of sub-ppm H₂S concentrations by means of SnO₂(Pt) thin films, grown by RGTO technique, 86
Ni, In and Sb implanted Pt and V catalysed thin-film SnO₂ gas sensors, 390
potentially selective methane sensor based on differential conductivity responses of Pd- and Pt-doped Sn oxide thick layers, 384
- Propylene glycol
electrochemical assays based on enzyme-electrode systems to determine glycerol and, in tobacco casing, 429
- Pump-gauge devices
measurement of oxygen partial pressure using fully-sealed zirconia, operated in tracking mode, 162
- Rare earth
manganites or cobaltites, electrodes for oxygen sensors based on, 401
- Reference element
based on solid-state structure, 228
- Research and development
sensor, in former Soviet Union, 6
- Rheotaxial growth and thermal oxidation
detection of sub-ppm H₂S concentrations by means of SnO₂(Pt) thin films, grown by RGTO technique, 86
- Scanned light pulse technique
evaluation of gas sensing surfaces with, 270
- Screen-printed electrodes
amperometric determination of Cu using, 203
- Semiconductor gas sensors
characterisation of; critical comparison of in-house, pre-production and commercial devices, 38
determining effect of ultralow metal addition on response of, 338
- Sensing properties
influence of additives on, of screen-printed SnO₂ gas sensors, 363
- Sensitivity enhancement
for gas sensing and electronic nose applications, 256
of integrated optic sensors using Langmuir-Blodgett lipid films, 439
- Sensor characteristics
investigation of, of chemical semiconductor sensors with impedance spectroscopy, 233
- Signal response
effect of inhomogeneous substrate-temperature distribution on, of oxygen sensors, 396
- Silicon
gas sensors for high temperature operation based on metal oxide silicon carbide (MOSiC) devices, 19
immobilization of antibodies onto capacitance Si-based transducer, 458
microstructure and electrical properties of Si-doped α -Fe₂O₃ humidity sensor, 293
- Silicon-Planar-Pellistor array
detection unit for combustible gases, 260
- Sodium
effects of anionic sites on selectivity of Na-sensitive CHEMFETs, 195
- Sodium ionic conductors
detection of CO₂ using solid-state electrochemical sensor based on, 166
- Sol-gel process
optimization of, for development of optochemical sensors, 199
- Soot sensor
based on porous solid electrolyte cell, 249
- Soviet Union
sensor research and development in former, 6
- Strontium
characterisation of Sr containing Sn dioxide based thick film humidity sensors, 281
- Structural properties
effects of metal salts on, of crown-ether-substituted phthalocyanines and related compounds, 301
- Structure
of pure and doped SnO₂, 379
of Sn oxide layers and operating temperature as factors determining sensitivity performances to NO_x, 372
- Substrate-temperature distribution
effect of inhomogeneous, on signal response of oxygen sensors, 396
- Sulfur dioxide
capacitive thin film gas sensor with signal processing system for determination of SO₂, 319
- Surface acoustic wave
humidity sensor, 288
- Surface chemistry
and electronic effects of H₂(D₂) on pure SnO₂ and Cr-doped SnO₂, 367
- Thermal biosensors
miniaturized, 443
- Tin dioxide
activating technology of SnO₂ layers by metal particles from ultrathin metal films, 328
characterisation of Sr containing Sn dioxide based thick film humidity sensors, 281
detection of sub-ppm H₂S concentrations by means of SnO₂(Pt) thin films, grown by RGTO technique, 86
enhanced response to methane for SnO₂ thin films prepared with CVD technique, 334
gas sensitive and selective SnO₂ polycrystalline films doped by ion implantation, 406
Hall coefficient measurements for SnO₂ doped sensors, as function of temperature and atmosphere, 98
influence of additives on sensing properties of screen-printed SnO₂ gas sensors, 363
new SnO₂ low temperature deposition technique for integrated gas sensors, 63
Ni, In and Sb implanted Pt and V catalysed thin-film SnO₂ gas sensors, 390

- NO_x response of Sn dioxide based gas sensors, 349
- NO_x Sn dioxide sensors activities, as function of doped materials and temperature, 354
- simulation studies of non-ohmic conductance behaviour in SnO₂ thick-film gas sensors, 323
- surface chemistry and electronic effects of H₂(D₂) on pure SnO₂ and Cr-doped SnO₂, 367
- synthesis, structure and gas sensitivity properties of pure and doped SnO₂, 379
- undoped and Pd-doped SnO₂ thin films for gas sensors, 357
- Tin oxide
 - integrated Sn oxide sensors of low power consumption for use in gas and odour sensing, 32
 - potentially selective methane sensor based on differential conductivity responses of Pd- and Pt-doped Sn oxide thick layers, 384
 - structure of Sn oxide layers and operating temperature as factors determining the sensitivity performances to NO_x, 372
- Titanium oxide
 - TiO₂ thick-film gas sensors and their suitability for NO_x monitoring, 245
- Tobacco casing
 - electrochemical assays based on enzyme-electrode systems to determine glycerol and propylene glycol in, 429
- Transducer
 - immobilization of antibodies onto capacitance Si-based, 458
- Transition metal
 - gate MOS and MISFETs, drift effects in, 238
- Ultrasonic sensor
 - for analysis of binary gas mixtures, 413
- Urea biosensor
 - ISFET-based, 453
- Urea potentiometric biosensor
 - based on all-solid-state technology, 448
- Valuation sensors
 - of agricultural products, 275
- Vanadium
 - Ni, In and Sb implanted Pt and V catalysed thin-film SnO₂ gas sensors, 390
- Water samples
 - application of automated quasi-continuous immuno flow injection system to analysis of pesticide residues in environmental, 119
- Zirconia
 - pump-gauge devices, measurement of oxygen partial pressure using fully-sealed, operated in tracking mode, 162
- Zirconia sensors
 - non-Nernstian potentiometric; screening potential working electrode materials, 147

